

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A computer readable recording medium having a data structure for managing reproduction of ~~multi-path~~ video data recorded on the recording medium, comprising:

a data area storing ~~the~~ multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively; and

a navigation information area storing playlists including reproduction information of the multi-path video data,

wherein the playlists are created as many as the number of the reproduction paths of the multi-path video data.

2. (Currently Amended) The computer readable recording medium of claim 1, wherein each of the playlists is associated with all of data stream clip files pertaining to one path of the multiple reproduction paths.

3. (Currently Amended) The computer readable recording medium of claim 1, wherein each of the playlists has type information to identify whether it is entry playlist or not.

4. (Currently Amended) The computer readable recording medium of claim 1, wherein the playlists include at least one playitem individually, the playitems included in the different

playlists refer a same clip file containing common path video data section of the multi-path video data.

5. (Currently Amended) A computer readable recording medium having a data structure for managing reproduction of ~~multi-path~~ video data recorded on the recording medium, comprising:

a data area storing ~~the~~ multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively; and

a navigation information area storing a playlist including reproduction information of the multi-path video data,

wherein the playlist includes a plurality of playitems pointing to different video data sections pertaining to different reproduction paths, respectively.

6. (Currently Amended) The computer readable recording medium of claim 5, wherein the playlist further includes at least one playitem pointing to a clip file containing common path video data section of the multi-path video data.

7. (Currently Amended) The computer readable recording medium of claim 5, wherein each of the playitems has type information to identify whether it is entry playitem or not.

8. (Currently Amended) A computer readable recording medium having a data structure for managing reproduction of ~~multi-path~~ video data recorded on the recording medium, comprising:

a data area storing ~~the~~ multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively; and

a navigation information area storing playlists including reproduction information of the multi-path video data,

wherein the playlists are created as many as the number of path segments constituting the multi-path video data.

9. (Currently Amended) The computer readable recording medium of claim 8, wherein each of the path segments is recorded in a single clip file.

10. (Currently Amended) The computer readable recording medium of claim 8, wherein each of the playlists has type information to identify whether it is entry playlist or not.

11. (Currently Amended) The computer readable recording medium of claim 8, wherein the navigation information area further comprises object information including pre-commands and/or post-commands to be conducted before and/or after each playlist is reproduced.

12. (Currently Amended) The computer readable recording medium of claim 11, wherein single object information is created for the multi-path video data.

13. (Currently Amended) The computer readable recording medium of claim 11, wherein the object information is created for each of the playlists.

14. (Currently Amended) The computer readable recording medium of claim 13, wherein each object information has type information to identify whether it is entry object or not.

15. (Currently Amended) A method for recording a data structure for managing reproduction of ~~multi-path~~ video data on a recording medium, the method comprising:

recording ~~the~~ multi-path video data in a data area on the recording medium so as to correspond to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively; and

recording a plurality of playlists including reproduction information of the multi-path video data in a navigation information area on the recording medium,

wherein the playlists are created as many as the number of reproduction paths of the multi-path video data.

16. (Currently Amended) A method for recording a data structure for managing reproduction of ~~multi-path~~ video data on a recording medium, the method comprising:

recording ~~the~~ multi-path video data in a data area on the recording medium so as to correspond to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively; and

recording a playlist including reproduction information of the multi-path video data in a navigation information area on the recording medium,

wherein the playlist includes a plurality of playitems pointing to different video data sections pertaining to different reproduction paths, respectively.

17. (Currently Amended) A method for recording a data structure for managing reproduction of ~~multi-path~~ video data on a recording medium, the method comprising:

recording ~~the~~ multi-path video data in a data area on the recording medium so as to correspond to a plurality of reproduction paths forming different versions of one title to be

reproduced exclusively; and

recording playlists including reproduction information of the multi-path video data in a navigation information area on the recording medium,

wherein the playlists are created as many as the number of path segments constituting the multi-path video data.

18. (Currently Amended) An apparatus for recording a data structure for managing reproduction of ~~multi-path~~ video data on a recording medium, the apparatus comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding ~~the~~ multi-path video data; and

a controller for controlling the drive to record the encoded multi-path video data in a data area on the recording medium so as to correspond to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively and a plurality of playlists including reproduction information of the multi-path video data in a navigation information area on the recording medium, such that the playlists are created as many as the number of the reproduction paths of the multi-path video data.

19. (Currently Amended) An apparatus for recording a data structure for managing reproduction of ~~multi-path~~ video data on a recording medium, the apparatus comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding ~~the~~ multi-path video data; and

a controller for controlling the drive to record the encoded multi-path video data in a data area on the recording medium so as to correspond to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively and a playlist including reproduction

information of the multi-path video data in a navigation information area on the recording medium, such that the playlist includes a plurality of playitems pointing to different video data sections pertaining to different reproduction paths, respectively.

20. (Currently Amended) An apparatus for recording a data structure for managing reproduction of ~~multi-path~~ video data on a recording medium, the apparatus comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding ~~the~~ multi-path video data; and

a controller for controlling the drive to record the encoded multi-path video data in a data area on the recording medium so as to correspond to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively and a plurality of playlists including reproduction information of the multi-path video data in a navigation information area on the recording medium, such that the playlists are created as many as the number of path segments constituting the multi-path video data.

21. (Currently Amended) A method for reproducing a data structure for managing reproduction of ~~multi-path~~ video data recorded on a recording medium, the method comprising:

reproducing at least one playlist including reproduction information of ~~the~~ multi-path video data from a navigation information area on the recording medium, wherein the multi-path video data corresponds to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively;

selecting one playlist or one playitem among playitems included in the playlist based on a chosen reproduction path; and

reproducing full or a part of one path of the multi-path video data indicated by the selected playlist or playitem.

22. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of ~~multi-path~~ video data recorded on a recording medium, the apparatus comprising:

a drive for driving an optical reproducing device to reproduce data recorded on the recording medium;

a decoder for presenting the reproduced data; and

a controller for controlling the drive to reproduce at least one playlist including reproduction information of ~~the~~ multi-path video data from a navigation information area on the recording medium, wherein the multi-path video data corresponds to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively, selecting one playlist or one playitem among playitems included in the playlist based on a chosen reproduction path, and controlling the drive to reproduce full or a part of one path of the multi-path video data indicated by the selected playlist or playitem.